

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2016, Ohio

Year	Coal	Natural Gas <sup>a</sup>	Petroleum						Hydro-electric Power <sup>e,f</sup>	Biomass		Geo-thermal <sup>f</sup>	Solar <sup>f,i</sup>	Retail Electricity Sales	Net Energy <sup>f,j</sup>	Electrical System Energy Losses <sup>k</sup>	Total <sup>f,j</sup>
			Distillate Fuel Oil	HGL <sup>b</sup>	Motor Gasoline <sup>c</sup>	Residual Fuel Oil	Other <sup>d</sup>	Total		Wood and Waste <sup>f,g</sup>	Losses and Co-products <sup>h</sup>						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh				Million kWh				
1960	25,835	218	7,112	1,585	3,354	9,082	19,969	41,102	12	--	--	--	NA	39,246	--	--	--
1965	26,758	327	8,479	2,649	2,598	8,228	25,751	47,705	1	--	--	--	NA	41,757	--	--	--
1970	29,875	376	11,429	3,999	1,926	4,166	29,198	50,718	0	--	--	--	NA	45,827	--	--	--
1975	22,307	345	11,150	3,993	1,519	7,038	27,794	51,495	0	--	--	--	NA	55,597	--	--	--
1980	15,821	321	12,591	41,031	1,154	5,678	26,952	87,405	0	--	--	--	NA	55,283	--	--	--
1985	10,420	253	6,944	23,612	1,074	2,098	20,208	53,936	0	--	--	--	NA	61,109	--	--	--
1990	9,703	284	5,973	5,689	973	1,493	26,497	40,626	0	--	--	--	(s)	69,682	--	--	--
1995	6,386	332	5,861	8,159	1,200	1,362	25,319	41,901	0	--	--	--	(s)	74,473	--	--	--
1996	5,636	345	5,609	7,922	1,203	1,600	29,643	45,978	0	--	--	--	(s)	73,394	--	--	--
1997	5,599	336	5,721	3,219	1,231	1,185	32,015	43,371	0	--	--	--	(s)	73,888	--	--	--
1998	5,510	332	5,369	1,998	1,311	846	31,486	41,011	0	--	--	--	(s)	72,998	--	--	--
1999	5,156	327	5,271	3,936	1,126	1,193	34,373	45,898	0	--	--	--	(s)	74,293	--	--	--
2000	4,296	340	4,868	4,206	707	1,485	29,421	40,687	0	--	--	--	(s)	74,019	--	--	--
2001	4,360	297	5,471	4,507	1,874	952	31,563	44,366	0	--	--	--	(s)	65,099	--	--	--
2002	3,336	307	5,451	7,021	1,976	852	30,090	45,390	0	--	--	--	(s)	58,472	--	--	--
2003	3,637	291	6,389	12,943	2,098	553	29,130	51,113	0	--	--	--	(s)	57,828	--	--	--
2004	3,573	303	6,576	4,776	2,408	648	27,980	42,388	0	--	--	--	(s)	58,558	--	--	--
2005	3,885	295	6,017	7,096	2,349	1,315	24,794	41,572	0	--	--	--	(s)	59,354	--	--	--
2006	4,303	287	5,941	6,564	2,440	1,346	26,514	42,805	0	--	--	--	(s)	55,869	--	--	--
2007	4,279	295	5,883	2,829	1,932	905	28,697	40,246	0	--	--	--	(s)	59,219	--	--	--
2008	4,249	284	6,329	1,276	1,537	1,250	29,008	39,400	0	--	--	--	(s)	58,621	--	--	--
2009	3,545	234	5,280	1,686	1,491	734	24,029	33,220	0	--	--	--	(s)	49,486	--	--	--
2010	4,589	270	6,029	1,441	1,403	653	R 21,204	R 30,730	0	--	--	--	(s)	53,109	--	--	--
2011	4,440	269	5,199	1,706	1,570	482	R 20,611	R 29,568	0	--	--	--	1	53,913	--	--	--
2012	4,921	265	6,021	1,480	1,570	197	R 21,329	R 30,597	0	--	--	--	R 4	53,379	--	--	--
2013	4,973	275	5,952	1,684	1,612	511	R 20,889	R 30,648	0	--	--	--	5	51,387	--	--	--
2014	5,035	R 308	6,486	1,930	1,005	352	R 19,895	R 29,669	0	--	--	--	7	50,829	--	--	--
2015	4,626	R 286	6,155	1,620	R 1,587	424	R 21,061	R 30,846	0	--	--	--	7	50,557	--	--	--
2016	4,019	288	5,893	1,569	1,570	611	22,104	31,746	0	--	--	--	7	50,291	--	--	--

## Trillion Btu

1960	664.3	226.1	41.4	6.6	17.6	57.1	123.6	246.3	0.1	16.5	NA	NA	NA	133.9	1,287.3	331.1	1,618.4
1965	681.5	338.3	49.4	11.0	13.6	51.7	156.4	282.2	(s)	22.1	NA	NA	NA	142.5	1,466.6	340.1	1,806.7
1970	738.5	384.8	66.6	14.9	10.1	26.2	177.4	295.2	0.0	25.2	NA	NA	NA	156.4	1,600.1	378.3	1,978.4
1975	556.5	352.8	64.9	14.6	8.0	44.2	169.9	301.6	0.0	26.6	NA	NA	NA	189.7	1,427.2	455.0	1,882.2
1980	404.7	326.0	73.3	149.1	6.1	35.7	163.1	427.3	0.0	57.7	NA	NA	NA	188.6	1,378.9	453.1	1,832.1
1985	265.7	264.4	40.4	83.7	5.6	13.2	124.4	267.4	0.0	67.6	3.1	NA	NA	208.5	1,068.0	477.6	1,545.5
1990	248.2	294.9	34.8	20.3	5.1	9.4	163.6	233.1	0.0	27.6	2.8	0.0	(s)	237.8	1,044.2	531.6	1,575.8
1995	162.9	344.5	34.1	29.1	6.3	8.6	156.5	234.6	0.0	45.5	1.7	0.0	(s)	254.1	1,043.0	569.7	1,612.7
1996	142.2	358.1	32.6	28.1	6.3	10.1	183.7	260.8	0.0	53.4	0.0	0.0	(s)	250.4	1,064.3	556.7	1,621.0
1997	141.2	351.2	33.3	11.5	6.4	7.5	199.9	258.5	0.0	53.6	0.0	0.0	(s)	252.1	1,056.1	558.2	1,614.3
1998	139.8	345.6	31.2	7.1	6.8	5.3	195.3	245.8	0.0	49.3	0.0	0.0	(s)	249.1	1,029.1	550.3	1,579.4
1999	131.1	339.1	30.7	14.0	5.9	7.5	212.9	271.0	0.0	55.9	0.0	0.0	(s)	253.5	1,050.0	569.7	1,619.7
2000	110.8	354.5	28.3	14.9	3.7	9.3	183.5	239.8	0.0	57.9	0.0	0.0	(s)	252.6	1,015.0	567.9	1,582.8
2001	114.0	309.1	31.8	16.0	9.8	6.0	195.7	259.2	0.0	25.8	0.0	0.0	(s)	222.1	929.8	483.2	1,413.0
2002	86.6	318.7	31.7	24.9	10.3	5.4	185.9	258.1	0.0	12.2	0.0	0.0	(s)	199.5	875.1	426.8	1,301.9
2003	94.8	301.9	37.2	46.1	10.9	3.5	179.8	277.5	0.0	20.5	0.0	0.0	(s)	197.3	891.7	427.9	1,319.5
2004	93.7	316.7	38.3	17.0	12.5	4.1	173.4	245.3	0.0	21.3	0.0	0.0	(s)	199.8	876.5	446.1	1,322.6
2005	100.1	307.7	35.0	25.2	12.2	8.3	154.7	235.4	0.0	21.8	0.1	0.0	(s)	202.5	867.2	446.9	1,314.2
2006	111.0	298.6	34.5	23.3	12.7	8.5	164.4	243.3	0.0	23.9	0.2	0.0	(s)	190.6	867.4	415.7	1,283.1
2007	110.5	305.8	34.0	10.0	10.0	5.7	175.5	235.1	0.0	24.3	0.1	0.0	(s)	202.1	877.7	452.1	1,329.8
2008	109.8	295.1	36.6	4.5	7.9	7.9	176.5	233.3	0.0	24.0	18.5	0.0	(s)	200.0	880.6	446.4	1,326.9
2009	91.3	243.2	30.5	5.8	7.6	4.6	145.4	194.0	0.0	23.1	14.5	0.0	(s)	168.8	734.7	378.7	1,113.4
2010	118.7	279.4	34.8	5.5	7.1	4.1	R 129.5	R 181.1	0.0	R 30.0	21.7	0.0	(s)	181.2	R 811.9	409.6	R 1,221.5
2011	114.7	277.2	30.0	6.5	8.0	3.0	R 125.9	R 173.5	0.0	R 30.4	24.6	0.0	(s)	184.0	R 804.3	408.8	R 1,213.1
2012	134.5	274.3	34.7	5.7	8.0	1.2	R 130.7	R 180.3	0.0	R 28.5	23.5	0.0	(s)	182.1	R 823.4	388.7	R 1,212.1
2013	137.2	285.6	34.3	6.5	8.2	3.2	R 126.3	R 178.5	0.0	R 29.5	25.7	0.0	0.1	175.3	R 832.0	369.8	R 1,200.8
2014	136.8	R 326.8	37.4	7.4	5.1	2.2	R 120.7	R 172.8	0.0	R 29.6	29.1	0.0	0.1	173.4	R 868.7	362.0	R 1,230.7
2015	129.2	R 306.1	35.5	6.2	8.0	2.7	R 128.3	R 180.7	0.0	R 28.5	28.2	0.0	0.1	172.5	R 845.5	357.1	R 1,202.6
2016	112.3	309.9	34.0	6.0	7.9	3.8	135.0	186.8	0.0	28.2	28.1	0.0	0.1	171.6	837.4	354.5	1,191.9

<sup>a</sup> Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

<sup>c</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.

<sup>d</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

<sup>g</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>h</sup> Losses and co-products from the production of fuel ethanol.

<sup>i</sup> Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

<sup>j</sup> For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline

column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

<sup>k</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. -- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. • The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.